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PATENT
TECH CENTER 1600/2900 Docket No. MIT-103
(5473/111)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: Kawasaki, et al.

USSN: 09/422,999

GROUP NUMBER: 1644

FILING DATE: October 22, 1999

EXAMINER: Murphy, J.

TITLE: *Genes Integrating Signal Transduction Pathways*

SUBSTITUTE RESPONSE TO RESTRICTION REQUIREMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

This Response is responsive to the Office Action mailed on May 10, 2000, in the above-identified patent application. Applicants respectfully request that this Substitute Response to the Restriction Requirement replace the Response originally filed on November 10, 2000. A petition and fee for a 5-month extension of time, up to and including November 10, 2000, was previously submitted with the prior Response. Because the U.S. Patent and Trademark Office was closed on November 10, 2000 due to the Veteran's Day holiday, Applicants believe that this Substitute Response is being filed in a timely manner.

Remarks

Claims 1-130 are pending in the application. The Examiner has required restriction of the application to claims in one of fifty-six (56) groups as set forth in the Office Action. In response to the restriction requirement, Applicants elect Group V, corresponding to claims 1-11, 38-54, 62 and 118-120, drawn to an isolated nucleic acid